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Datasheet for ABIN2180550

## Liver Arginase Protein (AA 1-322) (His tag)

### 1 Image

#### Overview

Quantity:	50 µg
Target:	Liver Arginase (ARG1)
Protein Characteristics:	AA 1-322
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Liver Arginase protein is labelled with His tag.

#### Product Details

Sequence:	AA 1-322
Characteristics:	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 35.6 kDa. The protein migrates as 36 kDa under reducing (R) condition (SDS-PAGE).
Purity:	>95 % as determined by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

#### Target Details

Target:	Liver Arginase (ARG1)
Alternative Name:	Arginase 1 ( <a href="#">ARG1 Products</a> )
Background:	Arginase-1 (ARG1) is also known as Liver-type arginase, Type I arginase, which belongs to the

## Target Details

arginase family. Arginase-1 / ARG1 is a manganese-containing enzyme. The reaction catalyzed by this enzyme is: arginine + H<sub>2</sub>O → *ornithine + urea*. *It is the final enzyme of the urea cycle. Defects in Arginase-1 / ARG1 are the cause of argininemia (ARGIN).*

Molecular Weight: 35.8 kDa

NCBI Accession: [NP\\_000036](#)

Pathways: [Cellular Response to Molecule of Bacterial Origin](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Lyophilized

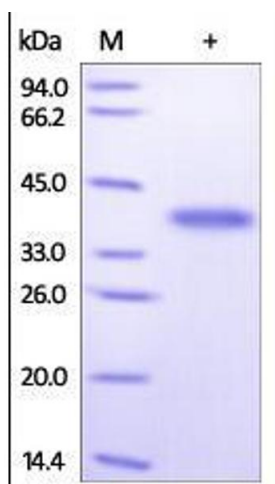
Buffer: 50 mM Tris, 150 mM NaCl, pH 7.5

Handling Advice: Please avoid repeated freeze-thaw cycles.

Storage: -20 °C

Storage Comment: No activity loss was observed after storage at: In lyophilized state for 1 year (4 °C), After reconstitution under sterile conditions for 3 months (-70 °C).

## Images



### SDS-PAGE

**Image 1.** Human Arginase 1, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.